Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). A hybrid battery arrangement for an electrically powered system in which battery loading is subject to intermittent high power loading, the system including a hybrid battery coupled to supply electric power via a DC link to a load and a control system for controlling application of power to the load, the hybrid battery arrangement comprising:

a ~~high energy density (HED)~~ first battery coupled to the DC link, the first battery comprising an electrically rechargeable battery;

a ~~high power density (HPD)~~ second battery coupled to the DC link, the first battery having higher energy and lower power densities than the second battery; and

a boost converter~~, including a unidirectional conductor,~~ coupled in circuit between the ~~HED~~ first battery and the ~~HPD~~ second battery for selectively boosting the voltage from the ~~HED~~ first battery ~~to a level sufficient to force current through the unidirectional coupler to the HPD battery~~.

2 (currently amended). The hybrid battery arrangement of claim 1 wherein the ~~HED~~ first battery includes an assembly of ~~HED~~ first batteries and the boost converter includes a plurality of boost converters, each of the boost converters being coupled between a respective one of the ~~HED~~ first batteries and the ~~HPD~~ second battery.

3 (currently amended). The hybrid battery arrangement of claim 1 further including a dynamic retarder coupled in circuit between the ~~HPD~~ second battery and the ~~HED~~ first battery for controlling voltage of the DC link to within selected levels of the nominal operating voltage of the ~~HPD~~ second battery.

4-5 (canceled).

6 (currently amended). The hybrid battery arrangement of claim 3 wherein the dynamic retarder comprises the serial combination of a power dissipating resistance and a second switch with the control system operable to selectively gate the second switch into and out of conduction in a manner to control the voltage across the ~~HPD~~ second battery.

7 (cancelled).

8 (currently amended). The hybrid battery arrangement of claim ~~7~~ 1 wherein the ~~HED~~ first battery comprises a sodium-nickel-chloride battery, a lithium-ion battery, a nickel-cadmium battery, or a nickel-metal-hydride battery.

9. (canceled).

10 (currently amended). The hybrid battery of claim 1 further including a diode serially connected between the ~~HED~~ first battery and the boost converter, the diode being poled to block current from the boost converter to the ~~HED~~ first battery.

11-29 (canceled).